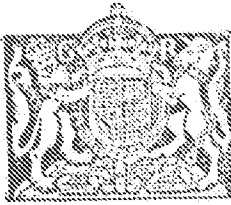


PATENT SPECIFICATION

394,885



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Application Date (in United Kingdom): Dec. 24, 1932. No. 30,558/32.

Complete Accepted: July 6, 1933.

COMPLETE SPECIFICATION.

Improvements in Bottle Boxes.

We, **RENA KARTONFABRIK A.S.**, of
Rena Station, Ostherdalen, Norway, a
body corporate organized under the laws
of Norway, do hereby declare the nature
of this invention and in what manner the
same is to be performed, to be particularly
described and ascertained in and by the
following statement:—

The subject of the invention is an im-
proved bottle box of the kind in which
the bottles are supported within the box
by means of perforated supports or parti-
tions spaced from the bottom and top of
the box.

According to the invention, the box
consists of a folded piece of cardboard in
which are inserted two perforated plates
base and separate from the box and each
provided with depending flanges adapted
to bear on the bottom and on the cover
of the box respectively, all of the per-
forations on one of said plates being of
a size to fit the neck of the bottle and all
of the perforations on the other being of
a size to fit the base of the bottle. In order
further to protect the bottles from fracture
due to jolts, an extra bottom is preferably
provided, this bottom being provided with
upwardly pressed grooves, which will fit
under each row of bottles and will provide
for elasticity.

In the accompanying drawing is shown
a box constructed according to the inven-
tion.

Fig. 1 shows in perspective view the
completely finished box with the bottles in
place.

Fig. 2 shows a cross section through
the box.

Fig. 3 shows one of the supporting
plates.

Fig. 4 shows another supporting plate.

Fig. 5 shows a loose bottom.

The box 1 is manufactured in the usual
way by folding cardboard of suitable
thickness, and may be reinforced around
two or more sides by means of laths 2.
In the box, a plate 3 with perforations 4
is arranged adjacent the bottom. The
inserted plate 5 is provided with depend-
ing flanges 6 determining the distance of
the plate from the bottom of the box. All

of the perforations 4 are of a size adapted
to fit the base of the bottles.

There is further arranged a loose
inserted plate 6 with perforations 7 which
correspond to the necks of the bottles and
are located directly above the perforations
4 in the plate 3, when these are arranged
in the box. The plate 6 is provided with
upwardly extending flanges 8, serving to
maintain the plate 6 in position in the
box.

There may according to this invention
also be provided an extra bottom 9, hav-
ing upwardly pressed grooves 10. These
grooves are arranged at such a distance
from each other that one groove will be
located under each single row of bottles.

When the box is to be packed, the upper
plate 6 is first removed, whereupon the
bottles are arranged in place, one in each
perforation 4, whereupon the plate 7 is
forced over the necks of the bottles. The
upwardly bent edges 8 will bear against
the cover 11 and will serve as an effective
support for the bottles.

Having now particularly described and
ascertained the nature of our said inven-
tion and in what manner the same is to be
performed, we declare that what we claim
is:—

1. A bottle box of the kind referred to
which is formed of a folded piece of card-
board in which are inserted two perforated
plates loose and separate from the box and
each provided with depending flanges
adapted to bear on the bottom and on the
cover of the box respectively, all of the
perforations on one of said plates being
of a size to fit the neck of the bottle and
all of the perforations on the other being
of a size to fit the base of the bottle.

2. A bottle box as claimed in claim 1
including a loose bottom provided beneath
each row of bottles with an upwardly
pressed groove, whereby the bottles are
resiliently supported from the bottom.

Dated this 24th day of December, 1932.
CRUIKSHANK & FAIRWEATHER,
65—66, Chancery Lane, London, W.C.2,
and 29, Saint Vincent Place, Glasgow,
Agents for the Applicants.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1933.

[Price 1/-]

FIG. 1.

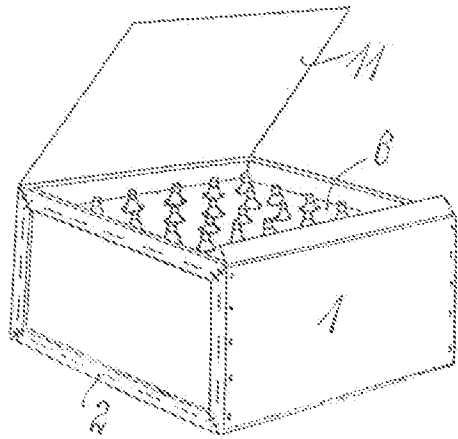


FIG. 2.

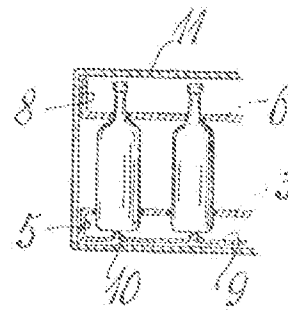


FIG. 3.

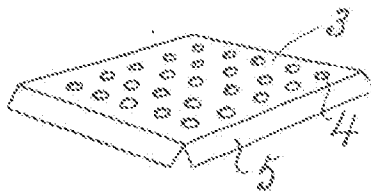


FIG. 4.

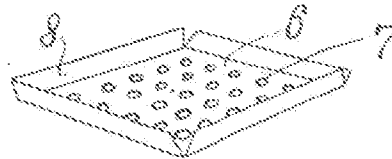
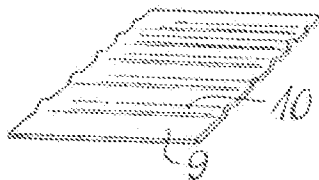


FIG. 5.



[This Drawing is a reproduction of the Original on a reduced scale.]